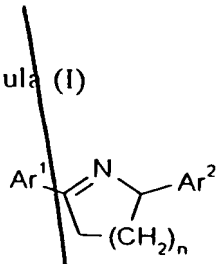
Patent Claims

1. Compounds of the formula (I)

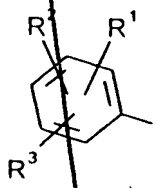


(I),

in which

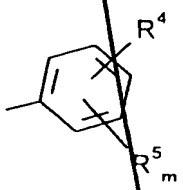
n represent, 1, 2 or 3,

Ar^1 represents the radical



and

Ar^2 represents the radical



in which

m represents 0, 1, 2, 3 or 4,

R^1 represents halogen, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, alkoxyalkyl, $-S(O)_nR^6$ or $-NR^7R^8$,

R^2 and R^3 independently of one another each represent hydrogen, halogen, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, alkoxyalkyl, $-S(O)_oR^6$ or $-NR^7R^8$,

R^4 represents halogen, cyano, trialkylsilyl, $-CO-NR^{10}R^{11}$, tetrahydropyranyl or one of the groupings below

(l) -X-A
(m) -B-Z-D
(n) -Y-E,

R^5 represents hydrogen, halogen, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, alkoxyalkoxy or $-S(O)_oR^6$,

o represents 0, 1 or 2,

R^6 represents alkyl or halogenoalkyl,

R^7 and R^8 independently of one another each represent hydrogen or alkyl, or together represent alkylene,

R^{10} and R^{11} independently of one another each represent hydrogen, alkyl, halogenoalkyl or represent phenyl or phenylalkyl, each of which is optionally mono- or polysubstituted by radicals from the list W^1,

X represents a direct bond, oxygen, sulphur, carbonyl, carbonyloxy, oxycarbonyl, alkylene, alkenylene, alkinylene, alkyleneoxy, oxyalkylene, thioalkylene, alkylenedioxy or di-alkylsilylene,

A represents phenyl, naphthyl or tetrahydronaphthyl, each of which is optionally mono- or polysubstituted by radicals from the list W^1, or represents 5- to 10-membered heterocyclyl having one or more hetero atoms from the group consisting of nitrogen, oxygen and sulphur and containing 1 or 2 aromatic rings, which is optionally mono- or polysubstituted by radicals from the list W^2,

B represents p-phenylene which is optionally mono- or disubstituted by radicals from the list W^1,

Z represents oxygen or sulphur,

D represents hydrogen, alkyl, alkenyl, alkinyl, halogenoalkyl, halogenoalkenyl, respectively optionally halogen-, alkyl-, alkenyl-, halogenoalkenyl-, phenyl-, styryl-, halogenophenyl- or halogenostyryl-substituted cycloalkyl or cycloalkylalkyl, represents respectively optionally halogen- or alkyl-substituted cycloalkenyl or cycloalkenylalkyl, represents respectively optionally nitro-, halogen-, alkyl-, alkoxy-, halogenoalkyl- or halogenoalkoxy-substituted phenylalkyl, naphthylalkyl, tetrahydronaphthylalkyl or 5- or 6-membered hetarylalkyl having 1 or 2 hetero atoms from the group consisting of nitrogen, oxygen and sulphur, represents $-CO-R^{12}$, $-CO-NR^{13}R^{14}$, or represents the grouping

$$-(CH_2)_l-(CR^{15}R^{16})_q-(CH_2)_r-G \qquad \text{or}$$

Z and D together represent optionally nitro-, halogen-, alkyl-, alkoxy-, halogenoalkyl- or halogenoalkoxy-substituted phenoxyalkyl,

Y represents a direct bond, oxygen, sulphur, carbonyl, carbonyloxy, oxycarbonyl, alkylene, alkenylene, alkinylene, alkyleneoxy, oxyalkylene, thioalkylene, alkylenedioxy or represents p-phenylene which is optionally mono- or disubstituted by radicals from the list W^1,

E represents hydrogen, alkyl, alkenyl, alkinyl, halogenoalkyl, halogenoalkenyl, respectively optionally halogen-, alkyl-, alkenyl-, halogenoalkenyl-, phenyl-, styryl-, halogenophenyl- or halogenostyryl-substituted cycloalkyl, represents respectively optionally halogen- or alkyl-substituted cycloalkenyl, represents phenyl which is optionally mono- to tetrasubstituted by radicals from the list W^1 or represents 5- or 6-membered hetaryl having 1 or 2 hetero atoms from the group consisting of nitrogen, oxygen and sulphur, which is

optionally mono- to tetrasubstituted by radicals from the list W^2, or represents the grouping

$$-(CH_2)_p-(CR^{15}R^{16})_q-(CH_2)_r-G,$$

R^{12} represents alkyl, alkoxy, alkenyl, alkenyloxy, respectively optionally halogen-, alkyl-, alkenyl-, halogenoalkyl- or halogenoalkenyl-substituted cycloalkyl, cycloalkyloxy or cycloalkylalkyloxy or represents respectively optionally nitro-, halogen-, alkyl-, alkoxy-, halogenoalkyl- or halogenoalkoxy-substituted phenyl or naphthyl,

R^{13} represents hydrogen or alkyl,

R^{14} represents alkyl, halogenoalkyl, respectively optionally halogen-, alkyl-, alkenyl-, halogenoalkyl- or halogenoalkenyl-substituted cycloalkyl, cycloalkylalkyl or represents respectively optionally halogen-, alkyl-, alkoxy-, halogenoalkyl- or halogenoalkoxy-substituted phenyl or phenylalkyl,

p, q and r independently of one another each represent 0, 1, 2 or 3, their sum being smaller than 6,

R^{15} and R^{16} independently of one another each represent hydrogen or alkyl,

G represents cyano, represents a 5- or 6-membered heterocycle having 1 to 3 identical or different hetero atoms from the group consisting of nitrogen, oxygen and sulphur, which is optionally substituted by halogen, alkyl or halogenoalkyl and, at the attachment point, optionally by the radical R^{17}, or represents one of the groupings below

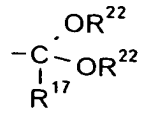
(a) $-CO-R^{17}$

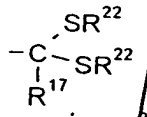
(b) $-CO-OR^{18}$

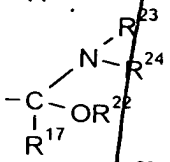
(c) $-CO-NR^{19}R^{20}$

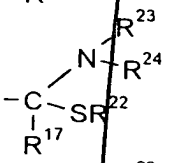
(d) $-CS-NR^{19}R^{20}$

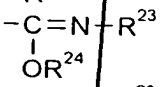
(e) $-C(=N-R^{21})-R^{17}$

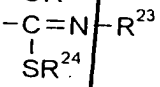
(f) 

(g) 

(h) 

(i) 

(j) 

(k) 

R^{17} represents hydrogen, alkyl, alkenyl, halogenoalkyl, halogenoalkenyl, optionally halogen-, alkyl- or halogenoalkyl-substituted cycloalkyl, or represents phenyl which is optionally mono- to pentasubstituted by alkylcarbonylamino, alkylcarbonylalkylamino and/or radicals from the list W^3,

R^{18} represents hydrogen, alkyl, alkenyl, halogenoalkyl, halogenoalkenyl, respectively optionally halogen-, alkyl- or halogenoalkyl-substituted cycloalkyl or cycloalkylalkyl or represents arylalkyl which is optionally mono- to pentasubstituted by radicals from the list W^3,

R^{19} and R^{20} independently of one another each represent hydrogen, alkyl, alkenyl, halogenoalkyl, halogenoalkenyl, alkoxy, respectively optionally halogen-, alkyl- or halogenoalkyl-substituted cycloalkyl or cycloalkylalkyl, represent aryl or arylalkyl, each of which is optionally mono- to pentasubstituted by radicals from the list W^3, represent $-OR^{18}$ or $-NR^{17}R^{18}$ or together represent an alkylene chain having 2 to 6 members in which one methylene group is optionally replaced by oxygen,

R^{21} represents $-OR^{18}$, $-NR^{17}R^{18}$ or $-N(R^{17})-COOR^{18}$,

R^{22}, R^{23} and R^{24} independently of one another each represent alkyl,

W^1 represents hydrogen, halogen, cyano, formyl, nitro, alkyl, trialkylsilyl, alkoxy, halogenoalkyl, halogenoalkoxy, halogenoalkenyloxy, alkylcarbonyl, alkoxycarbonyl, pentafluorothio or $-S(O)_oR^6$,

W^2 represents halogen, cyano, formyl, nitro, alkyl, trialkylsilyl, alkoxy, halogenoalkyl, halogenoalkoxy, alkylcarbonyl, alkoxycarbonyl, pentafluorothio, $-S(O)_oR^6$ or $-C(R^{17})=N-R^{21}$,

W^3 represents halogen, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, dialkylamino $-S(O)_oR^6$, $-COOR^{25}$ or $-CONR^{26}R^{27}$,

R^{25} represents hydrogen, alkyl, halogenoalkyl, optionally halogen-, alkyl- or halogenoalkyl-substituted cycloalkyl or represents phenyl which is optionally mono- to pentasubstituted by radicals from the list W^4,

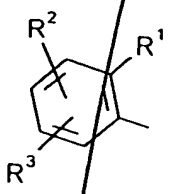
R^{26} and R^{27} independently of one another each represent hydrogen, alkyl, alkenyl, halogenoalkyl, halogenoalkenyl, alkoxy, respectively optionally halogen-, alkyl- or halogenoalkyl-substituted cycloalkyl or cycloalkylalkyl or represent aryl or arylalkyl, each of which is optionally mono- to pentasubstituted by radicals from the list W^4, represent $-OR^{22}$ or $-NR^{23}R^{24}$ or together represent an alkylene chain having 2 to 6 members in which one methylene group is optionally replaced by oxygen, and

W^4 represents halogen, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, dialkylamino, alkoxycarbonyl, dialkylaminocarbonyl or $-S(O)_oR^6$.

2. Compounds of the formula (I) according to Claim 1 in which

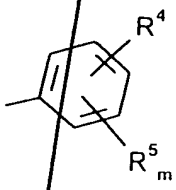
n represents 1, 2 or 3,

Ar^1 represents the radical



,

Ar^2 represents the radical



,

m represents 0, 1, 2 or 3,

R^1 represents halogen, cyano, nitro, C_1-C_6-alkyl, C_1-C_6-alkoxy, C_1-C_6-halogenoalkyl or C_1-C_6-halogenoalkoxy, represents C_1-C_6-alkoxy-C_1-C_6-alkyl, $-S(O)_oR^6$ or $-NR^7R^8$,

R^2 and R^3 independently of one another each represent hydrogen, halogen, cyano, nitro, C_1-C_6-alkyl, C_1-C_6-alkoxy, C_1-C_6-halogenoalkyl or C_1-C_6-halogenoalkoxy, represent C_1-C_6-alkoxy-C_1-C_6-alkyl, $-S(O)_oR^6$ or $-NR^7R^8$,

R^4 represents a substituent in meta- or paraposition from the group consisting of halogen, cyano, tri-(C_1-C_6-alkyl)-silyl, $-CO-NR^{10}R^{11}$, tetrahydropyranyl or one of the groupings below

(l) -X-A

(m) -B-Z-D

(n) -Y-E,

R^5 represents hydrogen, halogen, cyano, nitro, C_1-C_{16}-alkyl, C_1-C_{16}-alkoxy, C_1-C_6-halogenoalkyl, C_1-C_6-halogenoalkoxy, C_1-C_8-alkoxy-C_1-C_8-alkoxy or $-S(O)_oR^6$,

o represents 0, 1 or 2,

R^6 represents optionally fluorine- or chlorine-substituted C_1-C_6-alkyl,

R^7 and R^8 independently of one another each represent hydrogen or C_1-C_6-alkyl, such as, for example, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl or together represent C_2-C_5-alkylene, such as, for example, $-(CH_2)_4-$ or $-(CH_2)_5-$,

R^{10} and R^{11} independently of one another each represent hydrogen, C_1-C_6-alkyl, C_1-C_6-halogenoalkyl or represent phenyl or phenyl-C_1-C_4-alkyl, each of which is optionally mono- to trisubstituted by radicals from the list W^1,

X represents a direct bond, oxygen, sulphur, carbonyl, carbonyloxy, oxycarbonyl, C_1-C_4-alkylene, C_2-C_4-alkenylene, C_2-C_4-alkinylene, C_1-C_4-alkyleneoxy, C_1-C_4-oxyalkylene, C_1-C_4-thioalkylene, C_1-C_4-alkylenedioxy or di-C_1-C_4-alkylsilylene,

A represents phenyl, naphthyl or tetrahydronaphthyl, each of which is optionally mono- to tetrasubstituted by radicals from the list W^1, or represents 5- to 10-membered heterocyclyl having 1 to 4 hetero atoms, including 0 to 4 nitrogen atoms, 0 to 2 oxygen atoms and 0 to 2 sulphur atoms, and containing 1 or 2 aromatic rings, which is in each case optionally mono- to tetrasubstituted by radicals from the list W^2,

B represents p-phenylene which is optionally mono- or disubstituted by radicals from the list W^1,

Z represents oxygen or sulphur,

D represents hydrogen, C_1-C_{16}-alkyl, C_2-C_{16}-alkenyl, C_2-C_6-alkinyl, C_1-C_{16}-halogenoalkyl, C_2-C_{16}-halogenoalkenyl, respectively optionally halogen-, C_1-C_4-alkyl-, C_2-C_4-alkenyl-, C_2-C_4-halogenoalkenyl-, phenyl-, styryl-, halogenophenyl- or halogenostyryl-substituted C_3-C_8-cycloalkyl or C_3-C_8-cycloalkyl-C_1-C_6-alkyl, represents respectively optionally halogen- or C_1-C_4-alkyl-substituted C_5-C_8-

cycloalkenyl or C_5-C_8-cycloalkenyl-C_1-C_4-alkyl, represents respectively optionally nitro-, halogen-, C_1-C_6-alkyl-, C_1-C_6-alkoxy-, C_1-C_6-halogenoalkyl- or C_1-C_6-halogenoalkoxy-substituted phenyl-C_1-C_6-alkyl, naphthyl-C_1-C_6-alkyl, tetrahydronaphthyl-C_1-C_6-alkyl or 5- or 6-membered hetaryl-C_1-C_6-alkyl having 1 or 2 hetero atoms from the group consisting of nitrogen, oxygen and sulphur, represents $-CO-R^{12}$, $-CO-NR^{13}R^{14}$, or represents the grouping

$$-(CH_2)_p-(CR^{15}R^{16})_q-(CH_2)_r-G \qquad \text{or}$$

Z and D together represent optionally nitro-, halogen-, C_1-C_6-alkyl-, C_1-C_6-alkoxy, C_1-C_6-halogenoalkyl- or C_1-C_6-halogenalkoxy-substituted phenoxy-C_1-C_4-alkyl,

A3

Y represents a direct bond, oxygen, sulphur, carbonyl, carbonyloxy, oxycarbonyl, C_1-C_4-alkylene, C_2-C_4-alkenylene, C_2-C_4-alkinylene, C_1-C_4-alkyleneoxy, C_1-C_4-oxyalkylene, C_1-C_4-thioalkylene, C_1-C_4-alkylenedioxy or represents p-phenylene which is optionally mono- or disubstituted by radicals from the list W^1,

E represents hydrogen, C_1-C_{16}-alkyl, C_2-C_{16}-alkenyl, C_2-C_6-alkinyl, C_1-C_{16}-halogenoalkyl, C_2-C_{16}-halogenoalkenyl, optionally halogen-, C_1-C_4-alkyl-, C_2-C_4-alkenyl-, C_2-C_4-halogenoalkenyl-, phenyl-, styryl-, halogenophenyl- or halogenostyryl-substituted C_3-C_8-cycloalkyl, represents optionally halogen- or C_1-C_4-alkyl-substituted C_5-C_8-cycloalkenyl, represents phenyl which is optionally mono- to tetrasubstituted by radicals from the list W^1 or represents 5- or 6-membered hetaryl having 1 or 2 hetero atoms from the group consisting of nitrogen, oxygen and sulphur, which is optionally mono- to tetrasubstituted by radicals from the list W^2, or represents the grouping

$$-(CH_2)_p-(CR^{15}R^{16})_q-(CH_2)_r-G,$$

R^{12} represents C_1-C_{12}-alkyl, C_1-C_{12}-alkoxy, C_2-C_{12}-alkenyl, C_2-C_{12}-alkenyloxy, respectively optionally halogen-, C_1-C_4-alkyl-, C_2-C_4-

alkenyl-, C_1-C_4-halogenoalkyl- or C_2-C_4-halogenoalkenyl-substituted C_3-C_8-cycloalkyl, C_3-C_8-cycloalkyloxy or C_3-C_8-cycloalkyl-C_1-C_6-alkyloxy or represents phenyl or naphthyl, each of which is optionally mono- to tetrasubstituted by nitro, halogen, C_1-C_{12}-alkyl, C_1-C_{12}-alkoxy, C_1-C_{12}-halogenoalkyl or C_1-C_{12}-halogenoalkoxy,

R^{13} represents hydrogen or C_1-C_{12}-alkyl,

R^{14} represents C_1-C_{12}-alkyl, C_1-C_{12}-halogenoalkyl, respectively optionally halogen-, C_1-C_4-alkyl-, C_2-C_4-alkenyl-, C_1-C_4-halogenoalkyl- or C_2-C_4-halogenoalkenyl-substituted C_3-C_8-cycloalkyl or C_3-C_8-cycloalkyl-C_1-C_6-alkyl, or represents phenyl or phenyl-C_1-C_6-alkyl which is in each case optionally mono- to tetrasubstituted by halogen, C_1-C_{12}-alkyl, C_1-C_{12}-alkoxy, C_1-C_{12}-halogenoalkyl or C_1-C_{12}-halogenoalkoxy,

p, q and r independently of one another each represent 0, 1, 2 or 3, their sum being smaller than 6,

R^{15} and R^{16} independently of one another each represent hydrogen or C_1-C_4-alkyl,

G represents cyano, represents a 5- or 6-membered heterocycle having 1 to 3 identical or different hetero atoms from the group consisting of nitrogen, oxygen and sulphur, which is optionally mono- to trisubstituted by halogen, C_1-C_4-alkyl or C_1-C_4-halogenoalkyl and, at the attachment point, optionally by the radical R^{17}, or represents one of the groupings below:

(a) $-CO-R^{17}$

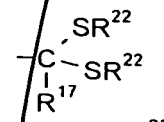
(b) $-CO-OR^{18}$

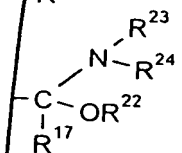
(c) $-CO-NR^{19}R^{20}$

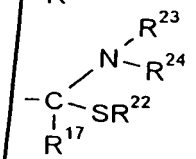
(d) $-CS-NR^{19}R^{20}$

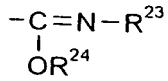
(e) $-\underset{\displaystyle R^{17}}{\overset{\displaystyle |}{C}}=N-R^{21}$

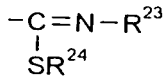
(f) $-\underset{\displaystyle R^{17}}{\overset{\displaystyle |}{C}}\!\left(OR^{22}\right)-OR^{22}$

(g) 

(h) 

(i) 

(j) 

(k) 

R^{17} represents hydrogen, C_1-C_6-alkyl, C_2-C_6-alkenyl, C_1-C_4-halogenoalkyl, C_2-C_6-halogenoalkenyl, optionally halogen-, C_1-C_4-alkyl- or C_1-C_4-halogenoalkyl-substituted C_3-C_6-cycloalkyl, or represents phenyl which is optionally mono- to pentasubstituted by C_1-C_4-alkylcarbonylamino, C_1-C_4-alkylcarbonyl-C_1-C_4-alkylamino and/or radicals from the list W^3,

R^{18} represents hydrogen, C_1-C_4-alkyl, C_2-C_6-alkenyl, C_1-C_4-halogenoalkyl, C_2-C_6-halogenoalkenyl, respectively optionally halogen-, C_1-C_4-alkyl- or C_1-C_4-halogenoalkyl-substituted C_3-C_6-cycloalkyl or C_3-C_6-cycloalkyl-C_1-C_4-alkyl or represents C_6-C_{10}-aryl-C_1-C_4-alkyl which is optionally mono- to tetrasubstituted by radicals from the list W^3,

R^{19} and R^{20} independently of one another each represent hydrogen, C_1-C_4-alkyl, C_3-C_6-alkenyl, C_1-C_4-halogenoalkyl, C_3-C_6-halogenoalkenyl, C_1-C_4-alkoxy, respectively optionally halogen-, C_1-C_4-alkyl- or C_1-C_4-halogenoalkyl-substituted C_3-C_6-cycloalkyl or C_3-C_6-cycloalkyl-C_1-C_4-alkyl, represent phenyl or phenyl-C_1-C_4-alkyl, each of which is optionally mono- to pentasubstituted by radicals from the list W^3, represent $-OR^{18}$ or $-NR^{17}R^{18}$ or together represent an alkylene chain having 4 to 6 members in which one methylene group is optionally replaced by oxygen,

R^{21} represents $-OR^{18}$, $-NR^{17}R^{18}$ or $-N(R^{17})-COOR^{18}$,

R^{22}, R^{23} and R^{24} independently of one another each represent C_1-C_6-alkyl,

W^1 represents hydrogen, halogen, cyano, formyl, nitro, C_1-C_6-alkyl, tri-C_1-C_4-alkylsilyl, C_1-C_{16}-alkoxy, C_1-C_6-halogenoalkyl, C_1-C_6-halogenoalkoxy, C_2-C_6-halogenoalkenyloxy, C_1-C_6-alkylcarbonyl, C_1-C_{16}-alkoxycarbonyl, pentafluorothio or $-S(O)_oR^6$,

W^2 represents halogen, cyano, formyl, nitro, C_1-C_6-alkyl, tri-C_1-C_4-alkylsilyl, C_1-C_{16}-alkoxy, C_1-C_6-halogenoalkyl, C_1-C_6-halogenoalkoxy, C_1-C_6-alkylcarbonyl, C_1-C_{16}-alkoxycarbonyl, pentafluorothio, $-S(O)_oR^6$ or $-C(R^{17})=N-R^{21}$,

W^3 represents halogen, cyano, nitro, C_1-C_4-alkyl, C_1-C_4-alkoxy, C_1-C_4-halogenoalkyl, C_1-C_4-halogenoalkoxy, di-C_1-C_4-alkylamino, $-S(O)_oR^6$, $-COOR^{25}$ or $-CONR^{26}R^{27}$,

R^{25} represents hydrogen, C_1-C_4-alkyl, C_1-C_4-halogenoalkyl, optionally halogen-, C_1-C_4-alkyl- or C_1-C_4-halogenoalkyl-substituted C_3-C_7-cycloalkyl or represents phenyl which is optionally mono- to penta-substituted by radicals from the list W^4,

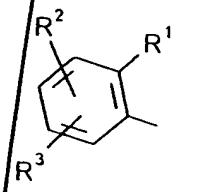
R^{26} and R^{27} independently of one another each represent hydrogen, C_1-C_4-alkyl, C_3-C_6-alkenyl, C_1-C_4-halogenoalkyl, C_3-C_6-halogenoalkenyl, C_1-C_4-alkoxy, respectively optionally halogen-, C_1-C_4-alkyl- or C_1-C_4-halogenoalkyl-substituted C_3-C_6-cycloalkyl or C_3-C_6-cycloalkyl-C_1-C_4-alkyl or represent phenyl or phenyl-C_1-C_4-alkyl, each of which is optionally mono- to pentasubstituted by radicals from the list W^4, represent $-OR^{22}$ or $-NR^{23}R^{24}$, or together represent an alkylene chain having 4 to 6 members in which one methylene group is optionally replaced by oxygen, and

W^4 represents halogen, cyano, nitro, C_1-C_6-alkyl, C_1-C_6-alkoxy, C_1-C_6-halogenoalkyl, C_1-C_6-halogenoalkoxy, di-C_1-C_4-alkylamino, C_1-C_6-alkoxycarbonyl, di-C_1-C_6-alkylaminocarbonyl or $-S(O)_oR^6$.

3. Compounds of the formula (I) according to Claim 1 in which

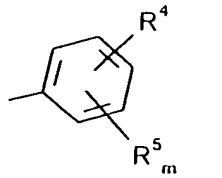
n represents 1 or 2,

Ar^1 represents the radical



,

Ar^2 represents the radical



,

m represents 0, 1 or 2,

R^1 represents fluorine, chlorine, bromine, C_1-C_6-alkyl, C_1-C_6-alkoxy, respectively fluorine- or chlorine-substituted C_1-C_6-alkyl or C_1-C_6-alkoxy, represents C_1-C_6-alkoxy-C_1-C_6-alkyl or $-S(O)_oR^6$,

R^2 and R^3 independently of one another each represent hydrogen, fluorine, chlorine, bromine, iodine, C_1-C_6-alkyl, C_1-C_6-alkoxy, respectively fluorine- or chlorine-substituted C_1-C_6-alkyl or C_1-C_6-alkoxy, represent C_1-C_6-alkoxy-C_1-C_6-alkyl or $-S(O)_oR^6$,

R^4 represents a substituent in meta- or paraposition from the group consisting of fluorine, chlorine, bromine, iodine, cyano, tri-(C_1-C_4-alkyl)-silyl, $-CO-NR^{10}R^{11}$, tetrahydropyranyl or one of the groupings below

(l) -X-A

(m) -B-Z-D

(n) -Y-E,

R^5 represents hydrogen, fluorine, chlorine, bromine, iodine, cyano, nitro, C_1-C_{16}-alkyl, C_1-C_{16}-alkoxy, respectively fluorine- or chlorine-substituted C_1-C_6-alkyl or C_1-C_6-alkoxy, represents C_1-C_8-alkoxy-C_1-C_8-alkoxy, or $-S(O)_oR^6$,

o represents 0, 1 or 2,

R^6 represents C_1-C_4-alkyl or respectively fluorine- or chlorine-substituted methyl or ethyl,

R^{10} and R^{11} independently of one another each represent hydrogen, C_1-C_6-alkyl, fluorine- or chlorine-substituted C_1-C_6-alkyl or represent phenyl or benzyl, each of which is optionally mono- or disubstituted by radicals from the list W^1,

X represents a direct bond, oxygen, sulphur, carbonyl, carbonyloxy, oxycarbonyl, C_1-C_4-alkylene, C_2-C_4-alkenylene, C_2-C_4-alkinylene, C_1-C_4-alkyleneoxy, C_1-C_4-oxyalkylene, C_1-C_4-thioalkylene, C_1-C_4-alkylenedioxy or di-C_1-C_4-alkylsilylene,

A represents phenyl, naphthyl or tetrahydronaphthyl, each of which is optionally mono- to trisubstituted by radicals from the list W^1, or represents 5- to 10-membered heterocyclyl having 1 to 4 hetero atoms, which includes 0 to 4 nitrogen atoms, 0 to 2 oxygen atoms and 0 to 2 sulphur atoms, and containing 1 or 2 aromatic rings, which is in each case optionally mono- to trisubstituted by radicals from the list W^2,

B represents p-phenylene which is optionally mono- or disubstituted by radicals from the list W^1,

Z represents oxygen or sulphur,

D represents hydrogen, C_1-C_{16}-alkyl, C_2-C_{16}-alkenyl, C_2-C_6-alkinyl, respectively fluorine- or chlorine-substituted C_1-C_4-alkyl or C_2-C_4-alkenyl, represents C_3-C_6-cycloalkyl or C_3-C_6-cycloalkyl-C_1-C_4-alkyl, each of which is optionally substituted by fluorine, chlorine, bromine, C_1-C_4-alkyl, C_2-C_4-alkenyl, fluorine- or chlorine-substituted C_2-C_4-alkenyl, phenyl, styryl, respectively fluorine-, chlorine- or bromine-substituted phenyl or styryl, represents respectively optionally fluorine-, chlorine-, bromine- or C_1-C_4-alkyl-substituted C_5-C_6-cycloalkenyl or C_5-C_6-cycloalkenyl-C_1-C_4-alkyl, represents phenyl-C_1-C_4-alkyl, naphthyl-C_1-C_4-alkyl, tetrahydronaphthyl-C_1-C_6-alkyl or 5- or 6-membered hetaryl-C_1-C_4-alkyl having 1 or 2 hetero atoms from the group consisting of nitrogen, oxygen and sulphur, each of these radicals being optionally substituted by nitro, fluorine, chlorine, bromine, C_1-C_6-alkyl, C_1-C_6-alkoxy, respectively fluorine- or chlorine-substituted C_1-C_4-alkyl or C_1-C_4-alkoxy, represents $-CO-R^{12}$, $-CO-NR^{13}R^{14}$, or the grouping

$$-(CH_2)_p-(CR^{15}R^{16})_q-(CH_2)_r-G \qquad \text{or}$$

Z and D together represent phenoxy-C_1-C_3-alkyl which is optionally substituted by nitro, fluorine, chlorine, bromine, C_1-C_4-alkyl, C_1-C_4-alkoxy or respectively fluorine- or chlorine-substituted C_1-C_4-alkyl or C_1-C_4-alkoxy,

Y represents a direct bond, oxygen, sulphur, carbonyl, carbonyloxy, oxycarbonyl, C_1-C_4-alkylene, C_2-C_4-alkenylene, C_2-C_4-alkinylene, C_1-C_4-alkylenecxy, C_1-C_4-oxyalkylene, C_1-C_4-thioalkylene, C_1-C_4-alkylenedioxy or represents p-phenylene which is optionally mono- or disubstituted by radicals from the list W^1,

E represents hydrogen, C_1-C_{16}-alkyl, C_2-C_{16}-alkenyl, C_2-C_6-alkinyl, respectively fluorine- or chlorine-substituted C_1-C_4-alkyl or C_2-C_4-alkenyl, represents C_3-C_6-cycloalkyl which is optionally substituted by fluorine, chlorine, bromine, C_1-C_4-alkyl, C_2-C_4-alkenyl, fluorine- or chlorine-substituted C_2-C_4-alkenyl, phenyl, styryl or respectively fluorine-, chlorine- or bromine-substituted phenyl or styryl,

represents optionally fluorine-, chlorine-, bromine- or C_1-C_4-alkyl-substituted C_5-C_6-cycloalkenyl, represents phenyl which is optionally mono- to trisubstituted by radicals from the list W^1 or represents 5- or 6-membered hetaryl having 1 or 2 hetero atoms from the group consisting of nitrogen, oxygen and sulphur, which is optionally mono- or disubstituted by radicals from the list W^2, or represents the grouping

$$-(CH_2)_p-(CR^{15}R^{16})_q-(CH_2)_r-G,$$

R^{12} represents C_1-C_6-alkyl, C_1-C_6-alkoxy, C_2-C_6-alkenyl, C_2-C_6-alkenyloxy, represents C_3-C_6-cycloalkyl, C_3-C_6-cycloalkyloxy or C_3-C_6-cycloalkyl-C_1-C_2-alkyloxy, each of which is optionally substituted by fluorine, chlorine, C_1-C_3-alkyl, or respectively fluorine- or chlorine-substituted C_1-C_2-alkyl or C_2-C_3-alkenyl, or represents phenyl which is optionally mono- or disubstituted by fluorine, chlorine, bromine, iodine, C_1-C_4-alkyl, C_1-C_4-alkoxy or respectively fluorine- or chlorine-substituted, C_1-C_3-alkyl or C_1-C_4-alkoxy,

R^{13} represents hydrogen or C_1-C_4-alkyl,

R^{14} represents C_1-C_4-alkyl, or represents phenyl or benzyl, each of which is optionally mono- or disubstituted by fluorine, chlorine, bromine, C_1-C_4-alkyl or respectively fluorine- or chlorine-substituted C_1-C_4-alkyl or C_1-C_4-alkoxy,

p, q and r independently of one another each represent 0, 1, 2 or 3, their sum being smaller than 6,

R^{15} and R^{16} independently of one another each represent hydrogen or C_1-C_4-alkyl,

G represents cyano, represents a 5- or 6-membered heterocycle having 1 to 3 identical or different hetero atoms from the group consisting of nitrogen, oxygen and sulphur, which is optionally mono- to trisubstituted by fluorine, chlorine, bromine, C_1-C_4-alkyl or fluorine-

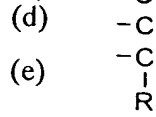
or chorine-substituted C_1-C_4-alkyl and, at the attachment point, optionally by the radical R^{17}, or represents one of the groupings below:

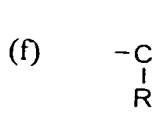
(a) $-CO-R^{17}$

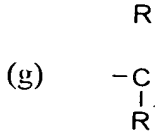
(b) $-CO-OR^{18}$

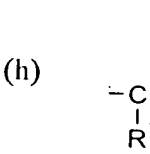
(c) $-CO-NR^{19}R^{20}$

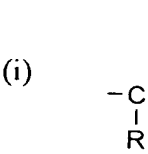
(d) $-CS-NR^{19}R^{20}$

(e) 

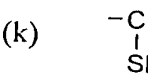
(f) 

(g) 

(h) 

(i) 

(j) 

(k) 

R^{17} represents hydrogen, C_1-C_6-alkyl, C_2-C_6-alkenyl, respectively fluorine- or chlorine-substituted C_1-C_4-alkyl or C_2-C_6-alkenyl, represents C_3-C_6-cycloalkyl which is optionally substituted by fluorine, chlorine, C_1-C_4-alkyl or fluorine- or chlorine-substituted C_1-C_4-alkyl, or represents phenyl which is optionally mono- to tri-substituted by C_1-C_4-alkylcarbonylamino, C_1-C_4-alkylcarbonyl-C_1-C_4-alkylamino and/or radicals from the list W^3,

R^{18} represents hydrogen, C_1-C_4-alkyl, C_3-C_6-alkenyl, respectively fluorine- or chlorine-substituted C_1-C_4-alkyl or C_3-C_6-alkenyl, represents C_3-C_6-cycloalkyl or C_3-C_6-cycloalkyl-C_1-C_4-alkyl, each of which is optionally substituted by fluorine, chlorine, C_1-C_4-alkyl

or fluorine- or chlorine-substituted C_1-C_4-alkyl, or represents phenyl-C_1-C_4-alkyl or naphthyl-C_1-C_4-alkyl, each of which is optionally mono- to trisubstituted by radicals from the list W^3,

R^{19} and R^{20} independently of one another each represent hydrogen, C_1-C_4-alkyl, C_3-C_6-alkenyl, respectively fluorine- or chlorine-substituted C_1-C_4-alkyl or C_3-C_6-alkenyl, represent C_1-C_4-alkoxy, represent C_3-C_6-cycloalkyl or C_3-C_6-cycloalkyl-C_1-C_4-alkyl, each of which is optionally substituted by fluorine, chlorine, C_1-C_4-alkyl or fluorine- or chlorine-substituted C_1-C_4-alkyl, represent phenyl or phenyl-C_1-C_4-alkyl, each of which is optionally mono- to trisubstituted by radicals from the list W^3, represent $-OR^{18}$ or $-NR^{17}R^{18}$ or together represent $-(CH_2)_5-$, $-(CH_2)_6-$ or $-(CH_2)_2-O-(CH_2)_2-$,

A3

R^{21} represents $-OR^{18}$, $-NR^{17}R^{18}$ or $-N(R^{17})-COOR^{18}$,

R^{22}, R^{23} and R^{24} independently of one another each represent C_1-C_4-alkyl,

W^1 represents hydrogen, fluorine, chlorine, bromine, iodine, cyano, formyl, nitro, C_1-C_4-alkyl, C_1-C_4-alkoxy, respectively fluorine- or chlorine-substituted C_1-C_4-alkyl or C_1-C_4-alkoxy, represents C_1-C_4-alkylcarbonyl, C_1-C_4-alkoxycarbonyl or $-S(O)_oR^6$,

W^2 represents fluorine, chlorine, bromine, cyano, formyl, nitro, C_1-C_4-alkyl, C_1-C_4-alkoxy, respectively fluorine- or chlorine-substituted C_1-C_4-alkyl or C_1-C_4-alkoxy, represents C_1-C_4-alkylcarbonyl, C_1-C_4-alkoxycarbonyl, $-S(O)_oR^6$ or $-C(R^{17})=N-R^{21}$,

W^3 represents fluorine, chlorine, bromine, cyano, nitro, C_1-C_4-alkyl, C_1-C_4-alkoxy, respectively fluorine- or chlorine-substituted C_1-C_4-alkyl or C_1-C_4-alkoxy, represents di-C_1-C_4-alkylamino, $-S(O)_oR^6$, $-COOR^{25}$ or $-CONR^{26}R^{27}$,

R^{25} represents hydrogen, C_1-C_4-alkyl, fluorine- or chlorine-substituted C_1-C_4-alkyl, represents C_3-C_6-cycloalkyl which is optionally substituted by fluorine, chlorine, C_1-C_4-alkyl or fluorine- or

chlorine-substituted C_1-C_4-alkyl, or represents phenyl which is optionally mono- to trisubstituted by radicals from the list W^4,

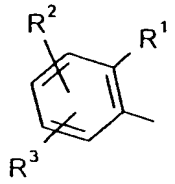
R^{26} and R^{27} independently of one another each represent hydrogen, C_1-C_4-alkyl, C_3-C_6-alkenyl, respectively fluorine- or chlorine-substituted C_1-C_4-alkyl or C_3-C_6-alkenyl, represent C_1-C_4-alkoxy, represent C_3-C_6-cycloalkyl or C_3-C_6-cycloalkyl-C_1-C_4-alkyl, each of which is optionally substituted by fluorine, chlorine, C_1-C_4-alkyl or fluorine- or chlorine-substituted C_1-C_4-alkyl, or represent phenyl or phenyl-C_1-C_4-alkyl, each of which is optionally mono- to trisubstituted by radicals from the list W^4, represent $-OR^{22}$ or $-NR^{23}R^{24}$ or together represent $-(CH_2)_5-$, $-(CH_2)_6-$ or $-(CH_2)_2-O-(CH_2)_2-$, and

W^4 represents fluorine, chlorine, bromine, cyano, nitro, C_1-C_4-alkyl, C_1-C_4-alkoxy, respectively fluorine- or chlorine-substituted C_1-C_4-alkyl or C_1-C_4-alkoxy, di-C_1-C_4-alkylamino, C_1-C_4-alkoxycarbonyl, di-C_1-C_6-alkylaminocarbonyl or $-S(O)_nR^6$.

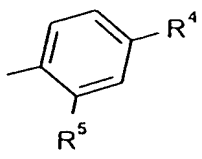
4. Compounds of the formula (I) according to Claim 1 in which

n represents 1 or 2,

Ar^1 represents the radical



Ar^2 represents the radical

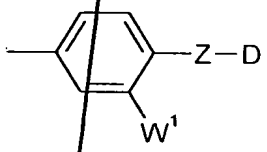


R^1 represents fluorine, chlorine, bromine, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, methoxy, ethoxy, n-propoxy, isopropoxy, n-butoxy, isobutoxy, sec-butoxy, tert-butoxy,

R^2 and R^3 independently of one another each represent hydrogen, fluorine, chlorine, bromine, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, methoxy, ethoxy, n-propoxy, isopropoxy, n-butoxy, isobutoxy, sec-butoxy, tert-butoxy,

R^4 represents a substituent in meta- or paraposition from the group consisting of fluorine, chlorine, bromine, iodine, cyano, $-CO-NR^{10}R^{11}$, tetrahydropyranyl or one of the groupings below

(l) $-X-A$

(m-a) 

(n) $-Y-E$,

R^5 represents hydrogen, fluorine, chlorine, bromine, methyl, ethyl, methoxy, ethoxy, methylthio, ethylthio, trifluoromethyl, difluoromethoxy, trifluoromethoxy or trifluoromethylthio,

o represents 0 or 2,

R^6 represents methyl, ethyl, n-propyl, isopropyl, difluoromethyl or trifluoromethyl,

R^{10} and R^{11} independently of one another each represent hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl or represent phenyl or benzyl, each of which is optionally monosubstituted by a radical from the list W^1,

X represents a direct bond, oxygen, sulphur, carbonyl, $-CH_2-$, $-(CH_2)_2-$, $-CH=CH-$ (E or Z), $-C\equiv C-$, $-CH_2O-$, $-(CH_2)_2O-$,

$-CH(CH_3)O-$, $-OCH_2-$, $-O(CH_2)_2-$, $-SCH_2-$, $-S(CH_2)_2-$, $-SCH(CH_3)-$, C_1-C_4-alkylenedioxy, in particular $-OCH_2O-$, $-O(CH_2)_2O-$ or $-OCH(CH_3)O-$,

A represents phenyl which is optionally mono- or disubstituted by radicals from the list W^1 or represents furyl, benzofuryl, thienyl, benzothienyl, oxazolyl, benzoxazolyl, thiazolyl, benzthiazolyl, pyrrolyl, pyridyl, pyrimidyl, 1,3,5-triazinyl, quinolinyl, isoquinolinyl, indolyl, purinyl, benzodioxolyl, indanyl, benzodioxanyl or chromanyl, each of which is optionally mono- or disubstituted by radicals from the list W^2,

Z represents oxygen or sulphur,

D represents hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, the isomeric pentyls, the isomeric hexyls, n-heptyl, n-octyl, n-isooctyl, n-nonyl, n-decyl, n-undecyl, n-dodecyl, n-tridecyl, n-tetradecyl, n-pentadecyl, n-hexadecyl, 2-propenyl, butenyl, pentenyl, hexenyl, propargyl, butinyl, pentinyl, $-CF_3$, $-CHF_2$, $-CClF_2$, $-CF_2CHFCl$, $-CF_2CH_2F$, $-CF_2CHF_2$, $-CF_2CCl_3$, $-CH_2CF_3$, $-CF_2CHFCF_3$, $-CH_2CF_2CHF_2$, $-CH_2CF_2CF_3$, represents cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cyclopropylmethyl, cyclobutylmethyl, cyclopentylmethyl or cyclohexylmethyl, each of which is optionally mono- to trisubstituted by fluorine, chlorine, bromine, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, ethenyl, 1-propenyl, 2,2-dimethylethenyl, $-CH=CCl_2$, phenyl, styryl, respectively fluorine-, chlorine- or bromine-substituted phenyl or 4-chlorostyryl, represents respectively optionally fluorine-, chlorine-, methyl-, ethyl-, n-propyl-, isopropyl-, n-butyl-, isobutyl-, sec-butyl- or tert-butyl-substituted cyclopentenyl, cyclohexenyl, cyclohexenylmethyl or cyclopentenylmethyl, represents benzyl, phenethyl, naphthylmethyl, tetrahydronaphthylmethyl, furylmethyl, thienylmethyl, pyrrolylmethyl, oxazolylmethyl, isoxazolylmethyl, thiazolylmethyl or pyridylmethyl, each of which is optionally mono- or disubstituted by nitro, fluorine, chlorine, bromine, methyl, ethyl, n-propyl,

isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, methoxy, ethoxy, n-propoxy, isopropoxy, n-butoxy, isobutoxy, sec-butoxy, tert-butoxy, trifluoromethyl, trifluoromethoxy, difluoromethoxy or chlorodifluoromethoxy, represents $-CO-R^{12}$, $-CO-NR^{13}R^{14}$ or the grouping

$$-(CH_2)_g-(CR^{15}R^{16})_q-(CH_2)_r-G \qquad \text{or}$$

Z and D together represent phenoxymethyl which is optionally mono- or disubstituted by nitro, fluorine, chlorine, bromine, methyl, ethyl, n-propyl, isopropyl, methoxy, ethoxy, n-propoxy, isopropoxy, trifluoromethyl, trifluoromethoxy, difluoromethoxy or chlorodifluoromethoxy,

Y represents a direct bond, oxygen, sulphur, carbonyl, $-CH_2-$, $-(CH_2)_2-$, $-CH=CH-$ (E or Z), $-C\equiv C-$, $-CH_2O-$, $-(CH_2)_2O-$, $-CH(CH_3)O-$, $-OCH_2-$, $-O(CH_2)_2-$, $-SCH_2-$, $-S(CH_2)_2-$, $-SCH(CH_3)-$, C_1-C_4-alkylenedioxy, in particular $-OCH_2O-$ or $-O(CH_2)_2O-$ or represents p-phenylene which is optionally monosubstituted by a radical from the list W^1,

E represents hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, the isomeric pentyls, the isomeric hexyls, n-heptyl, n-octyl, n-isooctyl, n-nonyl, n-decyl, n-undecyl, n-dodecyl, n-tridecyl, n-tetradecyl, n-pentadecyl, n-hexadecyl, 2-propenyl, butenyl, pentenyl, hexenyl, propargyl, butinyl, pentinyl, $-CF_3$, $-CHF_2$, $-CClF_2$, $-CF_2CHFCl$, $-CF_2CH_2F$, $-CF_2CHF_2$, $-CF_2CCl_3$, $-CH_2CF_3$, $-CF_2CHFCF_3$, $-CH_2CF_2CHF_2$, $-CH_2CF_2CF_3$, represents cyclopropyl, cyclobutyl, cyclopentyl or cyclohexyl, each of which is optionally mono- to trisubstituted by fluorine, chlorine, bromine, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, ethenyl, 1-propenyl, 2,2-dimethylethenyl, $-CH=CCl_2$, phenyl, styryl, respectively fluorine-, chlorine- or bromine-substituted phenyl or by 4-chlorostyryl, represents respectively optionally fluorine-, chlorine-, methyl-, ethyl-, n-propyl-, isopropyl-, n-butyl-, isobutyl-, sec-butyl- or tert-butyl-substituted cyclopentenyl or cyclohexenyl, represents phenyl which

is optionally mono- or disubstituted by radicals from the list W^1, represents furyl, thienyl, pyrrolyl, oxazolyl, isoxazolyl, thiazolyl or pyridyl, each of which is optionally mono- or disubstituted by radicals from the list W^2, or represents the grouping

$$-(CH_2)_p-(CR^{15}R^{16})_q-(CH_2)_r-G,$$

R^{12} represents methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, methoxy, ethoxy, n-propoxy, isopropoxy, n-butoxy, isobutoxy, sec-butoxy, tert-butoxy, cyclopropyl, cyclohexyl, cyclohexyloxy, cyclohexylmethyloxy, phenyl, 2-chlorophenyl, 3-chlorophenyl, 2,6-difluorophenyl, 2,4-dichlorophenyl, 3,4-dichlorophenyl, 2-trifluoromethoxyphenyl or 4-trifluoromethoxyphenyl,

R^{13} represents hydrogen,

R^{14} represents methyl, ethyl or represents phenyl which is optionally monosubstituted by chlorine,

p, q and r independently of one another each represent 0, 1, 2 or 3, their sum being smaller than 4,

R^{15} and R^{16} independently of one another each represent hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl,

G represents cyano, represents 5,6-dihydrodioxazin-2-yl, 3-pyridyl, 3-furyl, 3-thienyl, 2-thiazolyl, 5-thiazolyl, 2-dioxolanyl, 1,3-dioxan-2-yl, 2-dithiolanyl, 1,3-dithian-2-yl or 1,3-thioxan-2-yl, each of which is optionally mono- to trisubstituted by fluorine, chlorine, bromine, methyl, ethyl, n-propyl, isopropyl or trifluoromethyl and, at the attachment point, optionally by the radical R^{17}, or represents one of the groupings below:

(a) $-CO-R^{17}$
(b) $-CO-OR^{18}$
(c) $-CO-NR^{19}R^{20}$

(d) $-CS-NR^{19}R^{20}$

(e) $-C(R^{17})=N-R^{21}$

(f) $-C(R^{17})(OR^{22})-OR^{22}$

(g) $-C(R^{17})(SR^{22})-SR^{22}$

(h) $-C(R^{17})(OR^{22})-N(R^{23})-R^{24}$

(i) $-C(R^{17})(SR^{22})-N(R^{23})-R^{24}$

R^{17} represents hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, the isomeric pentyls, the isomeric hexyls, $-CF_3$, $-CHF_2$, $-CClF_2$, $-CF_2CHFCl$, $-CF_2CH_2F$, $-CF_2CHF_2$, $-CF_2CCl_3$, $-CH_2CF_3$, C_3-C_6-alkenyl, C_3-C_6-alkenyl which is mono- to trisubstituted by fluorine or chlorine, represents cyclopropyl, cyclopentyl or cyclohexyl, each of which is optionally mono- or disubstituted by fluorine, chlorine, methyl, ethyl, n-propyl, isopropyl, $-CF_3$, $-CHF_2$, $-CClF_2$, $-CF_2CHFCl$, $-CF_2CH_2F$, $-CF_2CHF_2$, $-CF_2CCl_3$ or $-CH_2CF_3$, or represents phenyl which is optionally mono- or disubstituted by methylcarbonylamino, ethylcarbonylamino, methylcarbonyl-methylamino and/or radicals from the list W^3,

R^{18} represents hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, $-CH_2CF_3$, allyl, represents cyclopropyl, cyclopentyl, cyclohexyl, cyclopropylmethyl, cyclopentylmethyl, cyclohexylmethyl, cyclopropylethyl, cyclopentylethyl or cyclohexylethyl, each of which is optionally mono- or disubstituted by fluorine, chlorine, methyl, ethyl, n-propyl, isopropyl, $-CF_3$, $-CHF_2$, $-CClF_2$, $-CF_2CHFCl$, $-CF_2CH_2F$, $-CF_2CHF_2$, $-CF_2CCl_3$ or $-CH_2CF_3$, or represents benzyl or

phenethyl, each of which is optionally mono- or disubstituted by radicals from the list W^3,

R^{19} and R^{20} independently of one another each represent hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, $-CH_2CF_3$, methoxy, ethoxy, allyl, represent cyclopropyl, cyclopentyl, cyclohexyl, cyclopropylmethyl, cyclopentylmethyl or cyclohexylmethyl, each of which is optionally mono- or disubstituted by fluorine, chlorine, methyl, ethyl, n-propyl, isopropyl or trifluoromethyl, represent phenyl, benzyl or phenethyl, each of which is optionally mono- or disubstituted by radicals from the list W^3, represent $-OR^{18}$ or $-NR^{17}R^{18}$,

R^{21} represents $-OR^{18}$, $-NR^{17}R^{18}$ or $-N(R^{17})-COOR^{18}$,

R^{22}, R^{23} and R^{24} independently of one another each represent methyl, ethyl, n-propyl or isopropyl,

W^1 represents hydrogen, fluorine, chlorine, bromine, cyano, formyl, nitro, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, methoxy, ethoxy, n-propoxy, isopropoxy, n-butoxy, isobutoxy, sec-butoxy, tert-butoxy, $-CF_3$, $-CHF_2$, $-CClF_2$, $-CF_2CHFCl$, $-CF_2CH_2F$, $-CF_2CHF_2$, $-CF_2CCl_3$, $-CH_2CF_3$, $-CF_2CHFCF_3$, $-CH_2CF_2CHF_2$, $-CH_2CF_2CF_3$, trifluoromethoxy, difluoromethoxy, chlorodifluoromethoxy, acetyl, propionyl, butyryl, isobutyryl, methoxycarbonyl, ethoxycarbonyl, n-propoxycarbonyl, isopropoxycarbonyl, n-butoxycarbonyl, isobutoxycarbonyl, sec-butoxycarbonyl, tert-butoxycarbonyl or $-S(O)_oR^6$,

W^2 represents fluorine, chlorine, bromine, cyano, methyl, ethyl, n-propyl, isopropyl, trifluoromethyl, trifluoromethoxy, difluoromethoxy, chlorodifluoromethoxy, acetyl, trifluoromethylthio, $-CH=N-OCH_3$, $-CH=N-OC_2H_5$, $-CH=N-OC_3H_7$, $-C(CH_3)=N-OCH_3$, $-C(CH_3)=N-OC_2H_5$, $-C(CH_3)=N-OC_3H_7$, $-C(C_2H_5)=N-OCH_3$, $-C(C_2H_5)=N-OC_2H_5$ or $-C(C_2H_5)=N-OC_3H_7$.

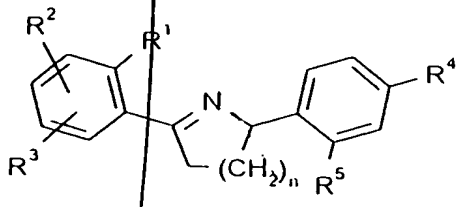
W^3 represents fluorine, chlorine, cyano, nitro, methyl, ethyl, methoxy, ethoxy, methylthio, trifluoromethyl, trifluoromethoxy, trifluoromethylthio, dimethylamino, diethylamino, $-COOR^{25}$ or $-CONR^{26}R^{27}$,

R^{25} represents hydrogen, methyl, ethyl, n-propyl, isopropyl, tert-butyl, $-CH_2CF_3$, represents cyclopropyl, cyclopentyl or cyclohexyl, each of which is optionally mono- or disubstituted by fluorine, chlorine, methyl, ethyl, n-propyl, isopropyl or $-CF_3$, or represents phenyl which is optionally mono- or disubstituted by radicals from the list W^4,

R^{26} and R^{27} independently of one another each represent hydrogen, methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-butyl, $-CH_2CF_3$, methoxy, ethoxy, allyl, represent cyclopropyl, cyclopentyl, cyclohexyl, cyclopropylmethyl, cyclopentylmethyl or cyclohexylmethyl, each of which is optionally mono- or disubstituted by fluorine or chlorine, represent phenyl, benzyl or phenethyl, each of which is optionally mono- or disubstituted by radicals from the list W^4, represent $-OR^{22}$ or $-NR^{23}R^{24}$, and

W^4 represents fluorine, chlorine, bromine, cyano, nitro, methyl, ethyl, tert-butyl, methoxy, ethoxy, methylthio, trifluoromethyl, trifluoromethoxy or trifluoromethylthio.

5. Compounds of the formula (I-a)



(I-a),

in which

R^1, R^2, R^3, R^5 and n are each as defined in Claim 1,

R^4 represents phenyl which is mono- or disubstituted by radicals from the list W^1, or represents one of the following groupings

(m-b) -B-O-D

(l) -Y-E,

B represents p-phenylene which is optionally monosubstituted by radicals from the list W^1,

Y represents a direct bond or represents p-phenylene which is optionally mono- or disubstituted by radicals from the list W^1, and

D and E each have the very particularly preferred meanings mentioned in Claim 4 where

G is cyano or one of the groupings below

(a) $-CO-R^{17}$

(e) $-\underset{\underset{R^{17}}{|}}{C}=N-R^{21}$

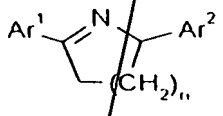
where

R^{17} and R^{21} are each as defined in Claim 1 and

W^1 is as defined in Claim 1.

6. Process for preparing compounds of the formula (I) according to Claim 1, characterized in that

A). compounds of the formula (I)

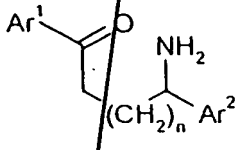


(I)

in which

Ar^1, Ar^2 and n are each as defined in Claim 1

are obtained by cyclocondensing compounds of the formula (II)



(II)

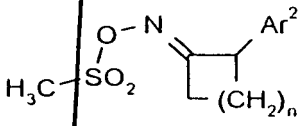
in which

Ar^1, Ar^2 and n are each as defined above,

or preferably acidic salts thereof, optionally in the presence of an acid binder,

or

B) compounds of the formula (III)



(III),

in which

Ar^2 and n are each as defined above

are reacted with aryl Grignard compounds of the formula (IV)

$$AR^1\text{-Mg-Hal} \quad (IV)$$

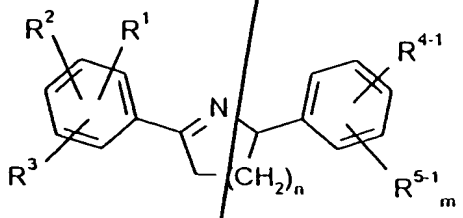
in which

Ar^1 is as defined above and

Hal represents chlorine, bromine or iodine,

in the presence of a diluent, or

C) compounds of the formula (I-b)



(I-b),

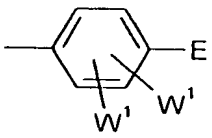
in which

R^1, R^2, R^3, n and m are each as defined above,

R^{4-1} represents A or one of the groupings below

(m) -B-Z-D

(n-a)



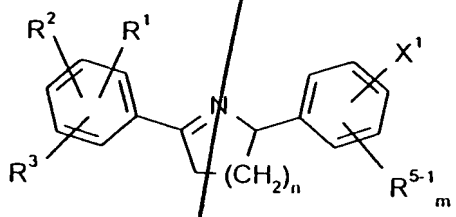
where

A, B, D, E, W^1 and Z are each as defined above and

R^{5-1} represents hydrogen, fluorine, cyano, nitro, alkyl, alkoxy, halogenoalkyl, halogenoalkoxy, alkoxyalkoxy or $-SR^6$ where

R^6 is as defined above

are obtained by coupling compounds of the formula (V)



(V),

in which

R^1, R^2, R^3, R^{5-1}, n and m are each as defined above and

X^1 represents bromine, iodine or $-OSO_2CF_3$

with boronic acids of the formula (VI)

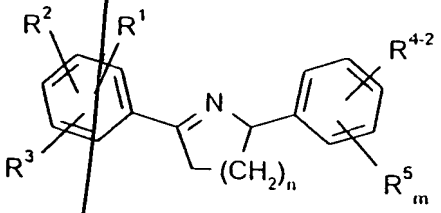
$$R^{4-1}\text{-}B(OH)_2 \qquad (VI)$$

in which

R^{4-1} is as defined above,

in the presence of a catalyst and in the presence of an acid binder and in the presence of a solvent,

D) compounds of the formula (I-c)



(I-c),

in which

R^1, R^2, R^3, R^5, n and m are each as defined above,

R^{4-2} represents one of the groupings below

(m-b) -B-Z-D

(n-b) $-Y^1-E^1$

in which

B and Z are as defined above,

Y^1 represents oxygen or sulphur and

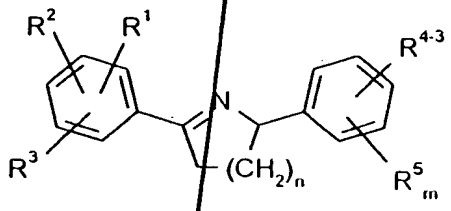
D^1 and E^1 each represent the grouping

$$-(CH_2)_p-(CR^{15}R^{16})_q-(CH_2)_r-G$$

in which

R^{16}, $R^{16'}$, G, p, q and r are each as defined above

are obtained by condensing compounds of the formula (I-d)



(I-d),

in which

R^1, R^2, R^3, R^5, n and m are each as defined above and

R^{4-3} represents one of the groupings below

(m-c) -B-Z-H

(n-c) $-Y^1-H$

in which

B, Y^1 and Z are each as defined above

with compounds of the formula (VII)

$$Ab\text{-}(CH_2)_p\text{-}(CR^{15}R^{16})_q\text{-}(CH_2)_r\text{-}G \qquad (VII)$$

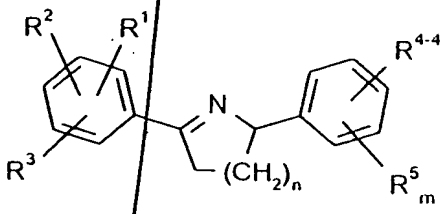
in which

R^{15}, R^{16}, G, p, q and r are each as defined above and

Ab represents a leaving group,

or

E) compounds of the formula (I-e)



(I-e),

in which

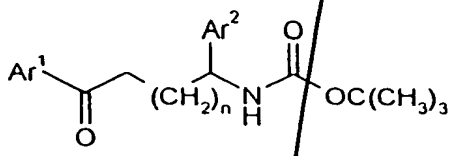
R^1, R^2, R^3, R^5, n and m are each as defined above and

R^{4-4} represents a grouping from the description of the compounds of the formula (I) according to the invention containing the radical G where

G represents one of the abovementioned groupings (e) to (k)

are obtained by customary and known derivatization of the corresponding keto derivatives, carboxylic acid derivatives or nitriles, ie. compounds of the formula (I) in which G represents cyano or one of the groupings (a) to (d).

7. Compounds of the formula (VIII)

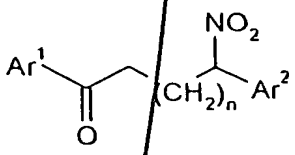


(VIII)

in which

Ar^1, Ar^2 and n are each as defined in Claim 1.

8. Compounds of the formula (XVIII)



(XVIII),

in which

Ar^1, Ar^2 and n are each as defined in Claim 1.

9. Pesticides, characterized by a content of at least one compound of the formula (I) according to Claim 1.

10. Use of compounds of the formula (I) according to Claim 1 for controlling pests.

11 Method for controlling pests characterized in that compounds of the formula (I) according to Claim 1 are allowed to act on pests and/or their habitat.

12 Process for preparing pesticides, characterized in that compounds of the formula (I) according to Claim 1 are mixed with extenders and/or surface-active agents.

13. Use of compounds of the formula (I) according to Claim 1 for preparing pesticides.